DECLARATION Attorne cket No. Y0999-331 (8728-310)



AS A BELOW NAMED INVENTOR, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name.

I believe that I am the original, first and sole (if only one name is listed below), or an original, first and joint inventor (if plural names are listed below), of the subject matter which is claimed and for which a patent is sought on the invention entitled:

the specification of which either is attached hereto or indicates an attorney docket no. Y0999-331 (8728-310), or:

TITLE:

METHOD AND SYSTEM FOR ENSURING ROBUSTNESS IN NATURAL LANGUAGE UNDERSTANDING

☐ was filed in the U.S. Patent & T	rademark Office on	and assigned Serial No,	
and (if applicable) was amended	i on		,
I hereby state that I have reclaims, as amended by any amendment patentability and to the examination I hereby claim foreign priority benefor inventor's certificate, or §365(a) United States, or §119(e) of any United polications for patent or inventor's (Application Number)	ent referred to above. I acknow of this application in accordancits under Title 35, U.S. Code §1 of any PCT international applicated States provisional application	the with Title 37 of the Code of Feder 19(a)-(d) or §365(b) of any foreign a cation which designated at least one a(s), listed below and have also ident	ion which is material to eral Regulations §1.56. application(s) for patent e country other than the tified below any foreign
(Approximon Number)	(Country)	(Day/Monn/Tear fueu)	
(Application Number)	(Country)	(Day/Month/Year filed)	Yes [] No []
I hereby claim the benefit un International application designating this application is not disclosed in the paragraph of Title 35, U.S. Code, § Title 37, The Code of Federal Reguland the national or PCT international	the United States, listed below e prior United States or PCT Inte 112, I acknowledge the duty to lations, §1.56(a) which became	ernational application(s) in the mann disclose information material to pat e available between the filing date of	of each of the claims of ner provided by the first tentability as defined in
(Application Serial Number)	(Filing Date)	(STATUS: patented,	pending, abandoned)
(Application Serial Number)	(Filing Date)	(STATUS: patented,	pending, abandoned)
I hereby appoint the for CHRISTOPHER A. HUGHES, Reg. No. 2 REDMOND, Jr., Reg. No. 18,753; KEVIN No. 36,266; DAVID M. SHOFI, Reg. No.	26,914; EDWARD A. PENNINGTO! NM. JORDAN, Reg. No. 40,277; STE	PHEN C. KAUFMAN, Reg. No. 29,551;	g. No. 26,279; JOSEPH C. JAY P. SBROLLINI , Reg.

Frank Chau, Esq.
F. CHAU & ASSOCIATES, LLP
1900 Hempstead Turnpike, Suite 501
East Meadow, New York 11554

MORRIS, Reg. No. 32,053; DOUGLAS W. CAMERON, Reg. No. 31,596; LOUIS J. PERCELLO, Reg. No. 33,206; and PAUL J. OTTERSTEDT, Reg. No. 37,411; each of them of INTERNATIONAL BUSINESS MACHINES CORPORATION, Thomas J. Watson Research Center, P.O. Box 218, Yorktown Heights, New York 10598; to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith and with any divisional, continuation, continuation-in-part, reissue or re-examination application, with full power of appointment and with full power to substitute an associate attorney or agent, and to receive all patents which may issue thereon, and request that all correspondence be addressed to:

Tel.: 516-357-0091

I HEREBY DECLARE that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 U.S. Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FIRST OR SOLE INVENTOR: Ganesh N. Ramaswamy	Citizenship Malaysia
Inventor's signature: Caush D. Ramswamy Residence & Post Office Address: 23 Lee Avenue, Ossining, NY 10562	Date: August 26, 1999
FULL NAME OF SECOND JOINT INVENTOR: Kyle A. Jamieson	Citizenship
Inventor's signature:	Date:
FULL NAME OF THIRD JOINT INVENTOR: Jan Kleindienst	Citizenship
Inventor's signature: Residence & Post Office Address:	Date:



AS A BELOW NAMED INVENTOR, I hereby declare that:

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(Application Serial Number)	(Filing Date)	(SIATOS: paiemea, p	ending, abandoned)
turd.		CTATIIC, material m	
and the national or PCT internation			
		e available between the filing date of	t the prior application
paragraph of Title 35, U.S. Code,	§112, I acknowledge the duty to	disclose information material to pate	ntability as defined in
this application is not disclosed in the	he prior United States or PCT Into	ernational application(s) in the manne	r provided by the first
		and, insofar as the subject matter of	
I hereby claim the benefit is	under Title 35 II S Code 8120	of any United States application(s), o	or 8365(c) of any PCT
(Application Number)	(Country)	(Day/Month/Year filed)	
			_ Yes [] No []
(Application Number)	(Country)	(Day/Monin/Tear Juea)	
	(Country)	(Day/Month/Year filed)	_ Yes [] No []
			Priority Claimed:
		pefore that of the application on which	ch priority is claimed:
		(s), listed below and have also identif	
		eation which designated at least one c	
		e with Title 37 of the Code of Federa 19(a)-(d) or §365(b) of any foreign ap	
claims, as amended by any amendr	nent referred to above. I acknow	ledge the duty to disclose informatio	n which is material to
I hereby state that I have	reviewed and understand the co	ntents of the above-identified specifi	ication, including the
and (if applicable) was amende	ed on		
was med in the 0.5. I aten to	Trademark Office on	,	
was filed in the II S Patent &	Trademark Office on	and assigned Serial No,	

I hereby appoint the following attorneys: MANNY W. SCHECTER, Reg. No. 31,722; TERRY J. ILARDI, Reg. 29,936; CHRISTOPHER A. HUGHES, Reg. No. 26,914; EDWARD A. PENNINGTON, Reg. No. 32,588; JOHN E. HOEL, Reg. No. 26,279; JOSEPH C. REDMOND, Jr., Reg. No. 18,753; KEVIN M. JORDAN, Reg. No. 40,277; STEPHEN C. KAUFMAN, Reg. No. 29,551; JAY P. SBROLLINI, Reg. No. 36,266; DAVID M. SHOFI, Reg. No. 39,835; ROBERT M. TREPP, Reg. No. 25,933; LOUIS P. HERZBERG, Reg. No. 41,500; DANIEL P. MORRIS, Reg. No. 32,053; DOUGLAS W. CAMERON, Reg. No. 31,596; LOUIS J. PERCELLO, Reg. No. 33,206; and PAUL J. OTTERSTEDT, Reg. No. 37,411; each of them of INTERNATIONAL BUSINESS MACHINES CORPORATION, Thomas J. Watson Research Center, P.O. Box 218, Yorktown Heights, New York 10598; to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith and with any divisional, continuation, continuation-in-part, reissue or re-examination application, with full power of appointment and with full power to substitute an associate attorney or agent, and to receive all patents which may issue thereon, and request that all correspondence be addressed to:

Frank Chau, Esq. F. CHAU & ASSOCIATES, LLP 1900 Hempstead Turnpike, Suite 501 East Meadow, New York 11554

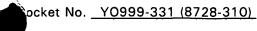
Tel.: 516-357-0091

I HEREBY DECLARE that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 U.S. Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FIRST OR SOLE INVENTOR:Ganesh N. Ramas	wamy Citizenship
Inventor's signature:	Date:
Residence & Post Office Address:	
FULL NAME OF SECOND JOINT INVENTOR: Kyle A. Jamieson	
Inventor's signature:	Date: 8/28/99
Residence & Post Office Address 57 Model Avenue, Hopewell, No.	ew Jersey 08525
FULL NAME OF THIRD JOINT INVENTOR: Jan Kleindienst	Citizenship
Inventor's signature:	Date:
Residence & Post Office Address:	
The first than the fi	Commonwealth of Massachusetts
	Middlesex S.S. Date 8 28 44
	Then personally appeared the above named KYLE A. JAMIESON
	and acknowledged the foregoing instrument
a	to be his/her tree act and deed, before me
	DICHARD I BREWER, Notary Public
	My Commission Expires August 4, 2009
42. 4 141 14	My Commission Expires August 4, 2009 Rechard L Brown

DECLARATION Attornation ocket No. YO





AS A BELOW NAMED INVENTOR, I hereby declare that:

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I believe that I am the original, first and sole (if only one name is listed below), or an original, first and joint inventor (if plural names are listed below), of the subject matter which is claimed and for which a patent is sought on the invention entitled:

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☐ was filed in the U.S. Patent & Tr	ademark Office on	and assigned Serial No,	
and (if applicable) was amended	on		,
I hereby state that I have re claims, as amended by any amendme patentability and to the examination of I hereby claim foreign priority benefit or inventor's certificate, or §365(a) of United States, or §119(e) of any United applications for patent or inventor's of	nt referred to above. I acknown of this application in accordances under Title 35, U.S. Code §1 of any PCT international application of States provisional application.	e with Title 37 of the Code of Fede 19(a)-(d) or §365(b) of any foreign a ation which designated at least one (s), listed below and have also ident before that of the application on who	ion which is material to eral Regulations §1.56. application(s) for patent country other than the tified below any foreign eich priority is claimed: Priority Claimed:
(Application Number)	(Country)	(Day/Month/Year filed)	Yes [] No []
	(Commy)	(= 1)	Yes [] No []
I hereby claim the benefit und International application designating this application is not disclosed in the paragraph of Title 35, U.S. Code, §1 Title 37, The Code of Federal Reguland the national or PCT internationa (Application Serial Number)	the United States, listed below prior United States or PCT Inte 12, I acknowledge the duty to ations, §1.56(a) which became	ernational application(s) in the manu disclose information material to pa e available between the filing date	of each of the claims of ner provided by the first tentability as defined in
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I hereby appoint the following attorneys: MANNY W. SCHECTER, Reg. No. 31,722; TERRY J. ILARDI, Reg. 29,936; CHRISTOPHER A. HUGHES, Reg. No. 26,914; EDWARD A. PENNINGTON, Reg. No. 32,588; JOHN E. HOEL, Reg. No. 26,279; JOSEPH C. REDMOND, Jr., Reg. No. 18,753; KEVIN M. JORDAN, Reg. No. 40,277; STEPHEN C. KAUFMAN, Reg. No. 29,551; JAY P. SBROLLINI, Reg. No. 36,266; DAVID M. SHOFI, Reg. No. 39,835; ROBERT M. TREPP, Reg. No. 25,933; LOUIS P. HERZBERG, Reg. No. 41,500; DANIEL P. MORRIS, Reg. No. 32,053; DOUGLAS W. CAMERON, Reg. No. 31,596; LOUIS J. PERCELLO, Reg. No. 33,206; and PAUL J. OTTERSTEDT, Reg. No. 37,411; each of them of INTERNATIONAL BUSINESS MACHINES CORPORATION, Thomas J. Watson Research Center, P.O. Box 218, Yorktown Heights, New York 10598; to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith and with any divisional, continuation, continuation-in-part, reissue or re-examination application, with full power of appointment and with full power to substitute an associate attorney or agent, and to receive all patents which may issue thereon, and request that all correspondence be addressed to:

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FULL NAME OF FIRST OR SOLE INVENTOR: Ganesh N. Ramaswamy	Citizenship	
Inventor's signature:	Date:	
FULL NAME OF SECOND JOINT INVENTOR: Kyle A. Jamieson	Citizenship	
Inventor's signature:	Date:	
FULL NAME OF THIRD JOINT INVENTOR: Jan Kleindienst		
Inventor's signature: Residence & Post Office Address: Jerevanska 2590 Kladno-Krochehlavy 270 04 Czech Podle ověřovací knihy č. John James Podpis za svůj vlastní Jiméno a příjimení r.č. častum narození). Jiméno a příjimení r.č. častum narození). Jerevanska 2590 Kladno-Krochehlavy 270 04 Czech Podle ověřovací knihy č. John John John John John John John John	Republic	0.8.99

- I HEREBY DECLARE that all statements made herein of my own knowledge are true and that all statements made on





Attorney Docket No. Y0999-331 (8728-310)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S):

Ramaswamy et al.

SERIAL NO.:

Unassigned

FILED:

Concurrently herewith

FOR:

METHOD AND SYSTEM FOR ENSURING ROBUSTNESS

IN NATURAL LANGUAGE UNDERSTANDING

ASSOCIATE POWER OF ATTORNEY

Please recognize FRANK CHAU, Reg. No. 34,136; JAMES J. BITETTO, Reg. No. 40,513; FRANK V. DeROSA, Reg. No. 43,584; and GASPARE J. RANDAZZO, Reg. No. 41,528; each of them of F. CHAU & ASSOCIATES, LLP, 1900 Hempstead Turnpike, Suite 501, East Meadow, New York 11554 as associate attorneys in the above-mentioned application, with full power to prosecute said application, to make alterations and amendments therein, and to transact all business in the Patent and Trademark Office connected therewith.

Telephone calls should be made to Frank Chau by dialing (516) 357-

0091.

All written communications are to be sent to Frank Chau, Esq., F. Chau & Associates, LLP, 1900 Hempstead Turnpike, Suite 501, East Meadow, New York 11554.

International Business Machines Corporation T.J. Watson Research Center Route 134 and Kitchawan Road Yorktown Heights, New York 10598 Manny W. Schecter Registration No. 31,722 Paul J. Otterstedt

Registration No. 37,411 Attorney for Applicant(s)